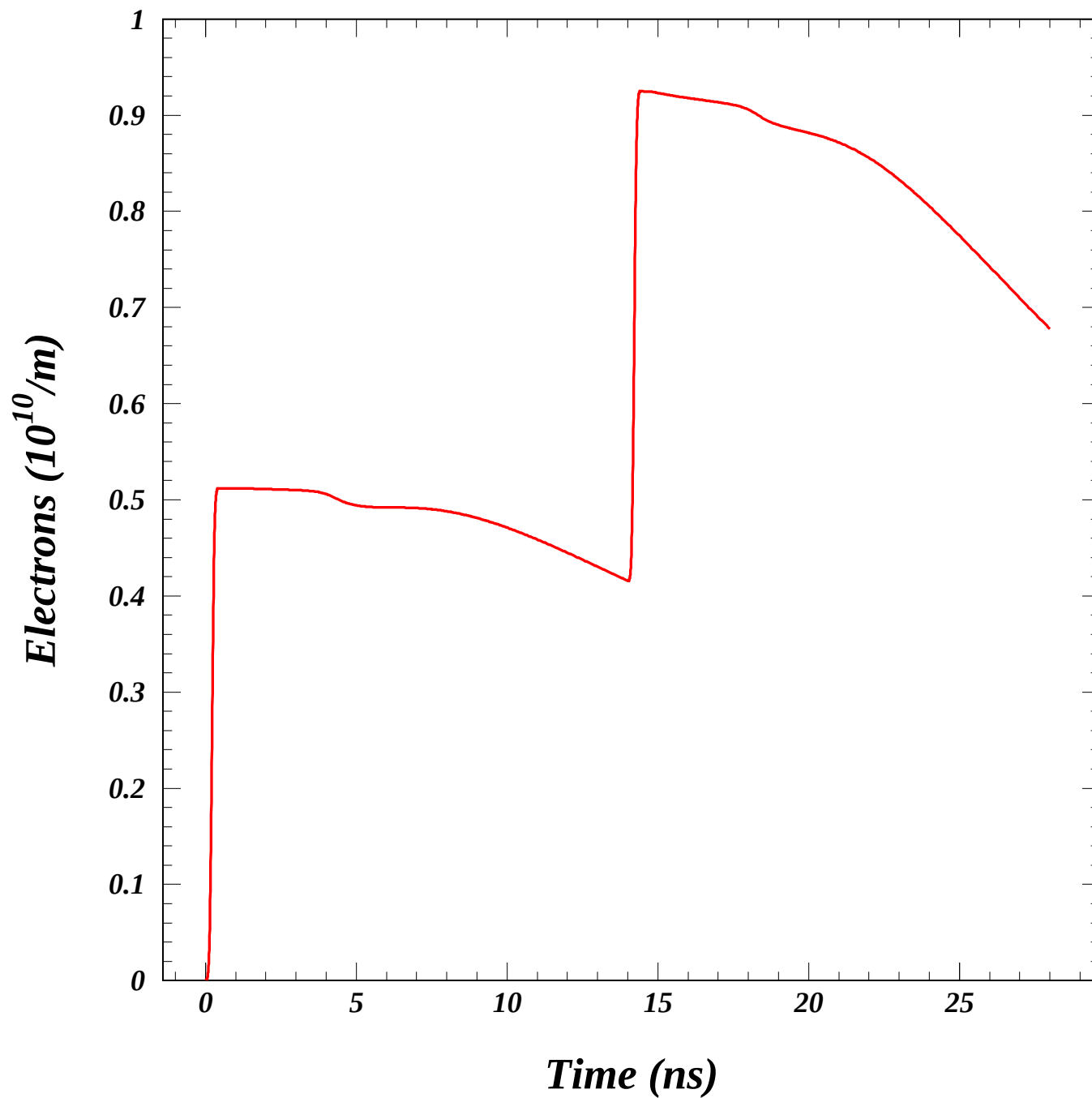
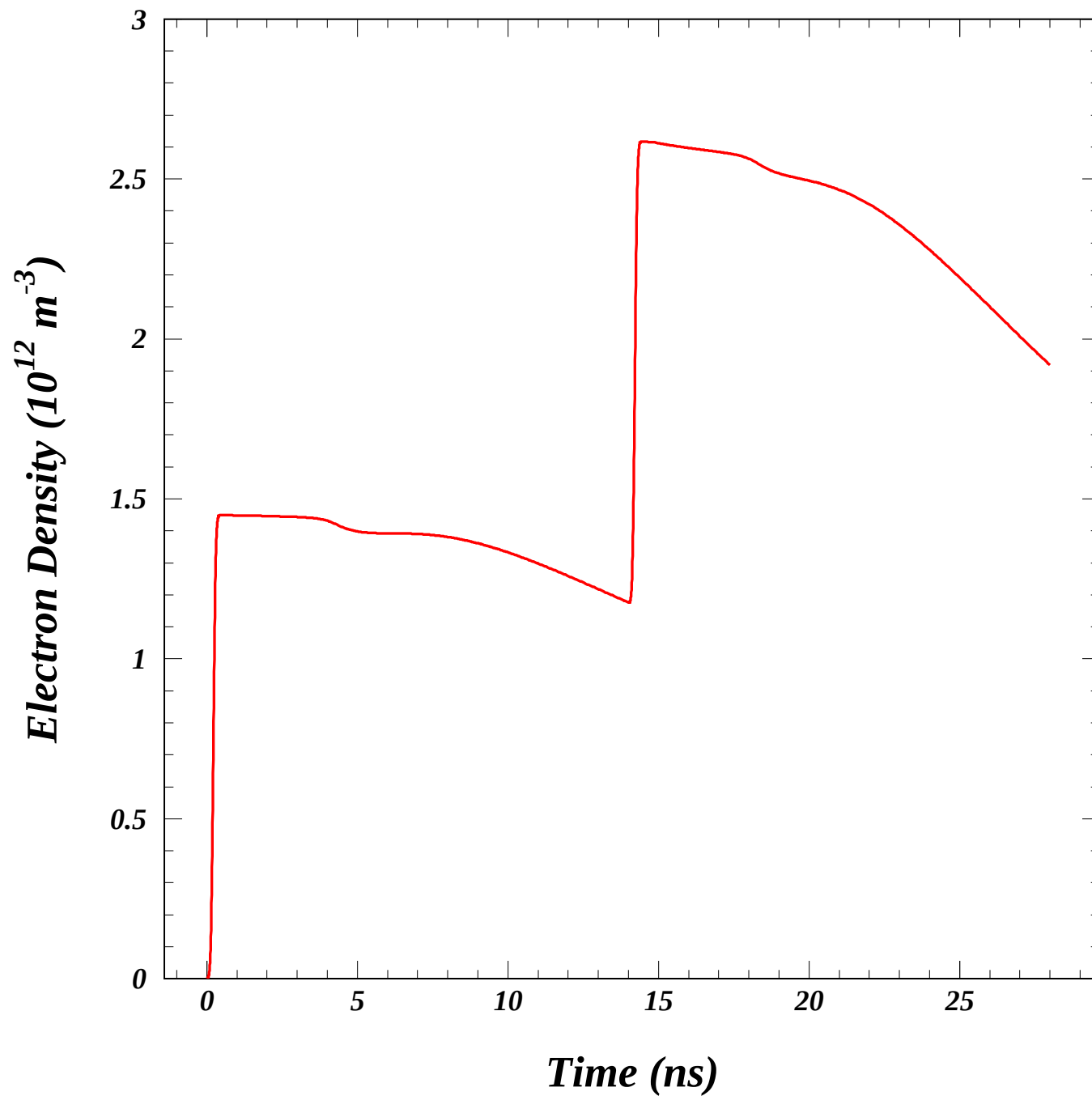
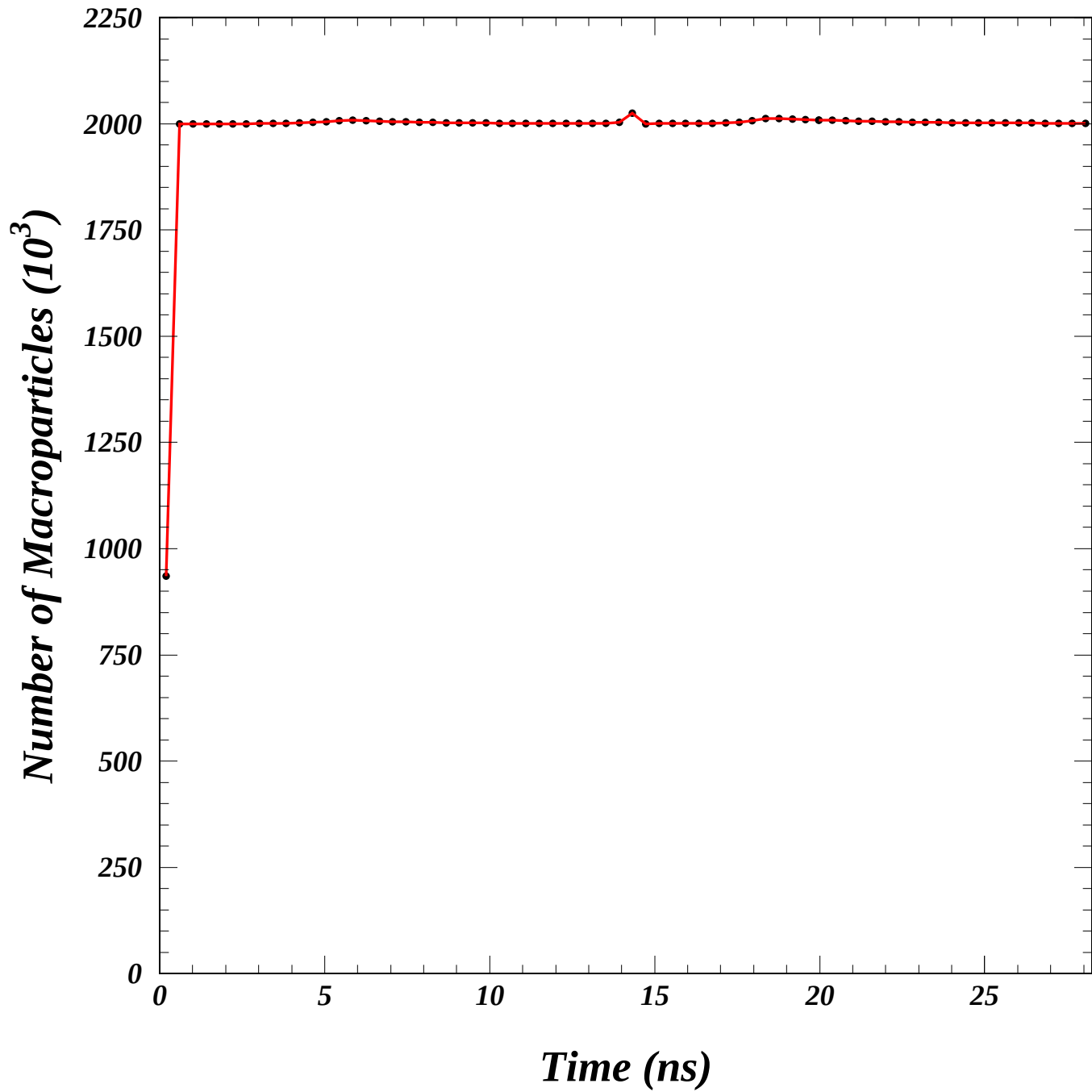


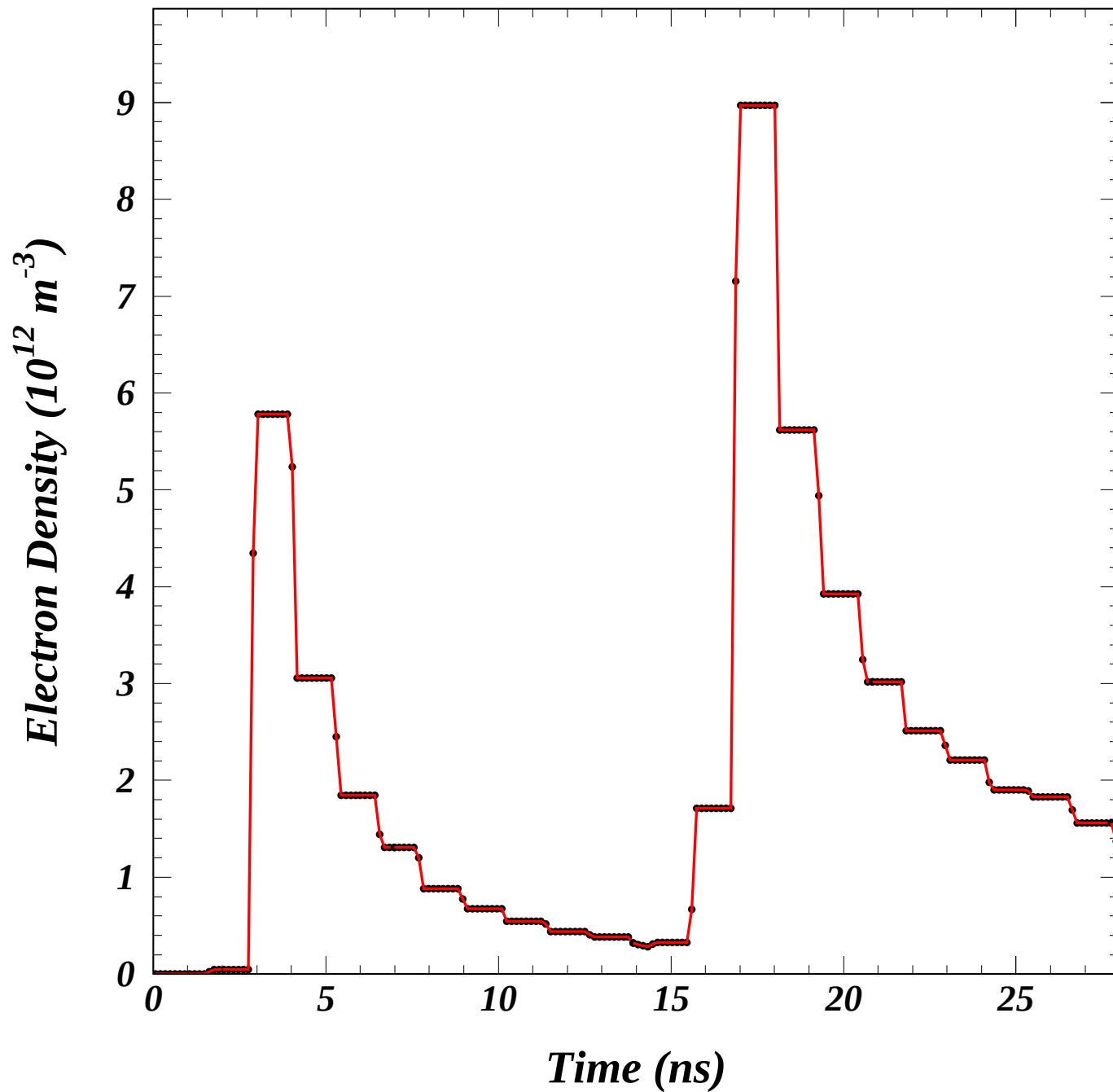
Job 16625: Number of Cloud Electrons

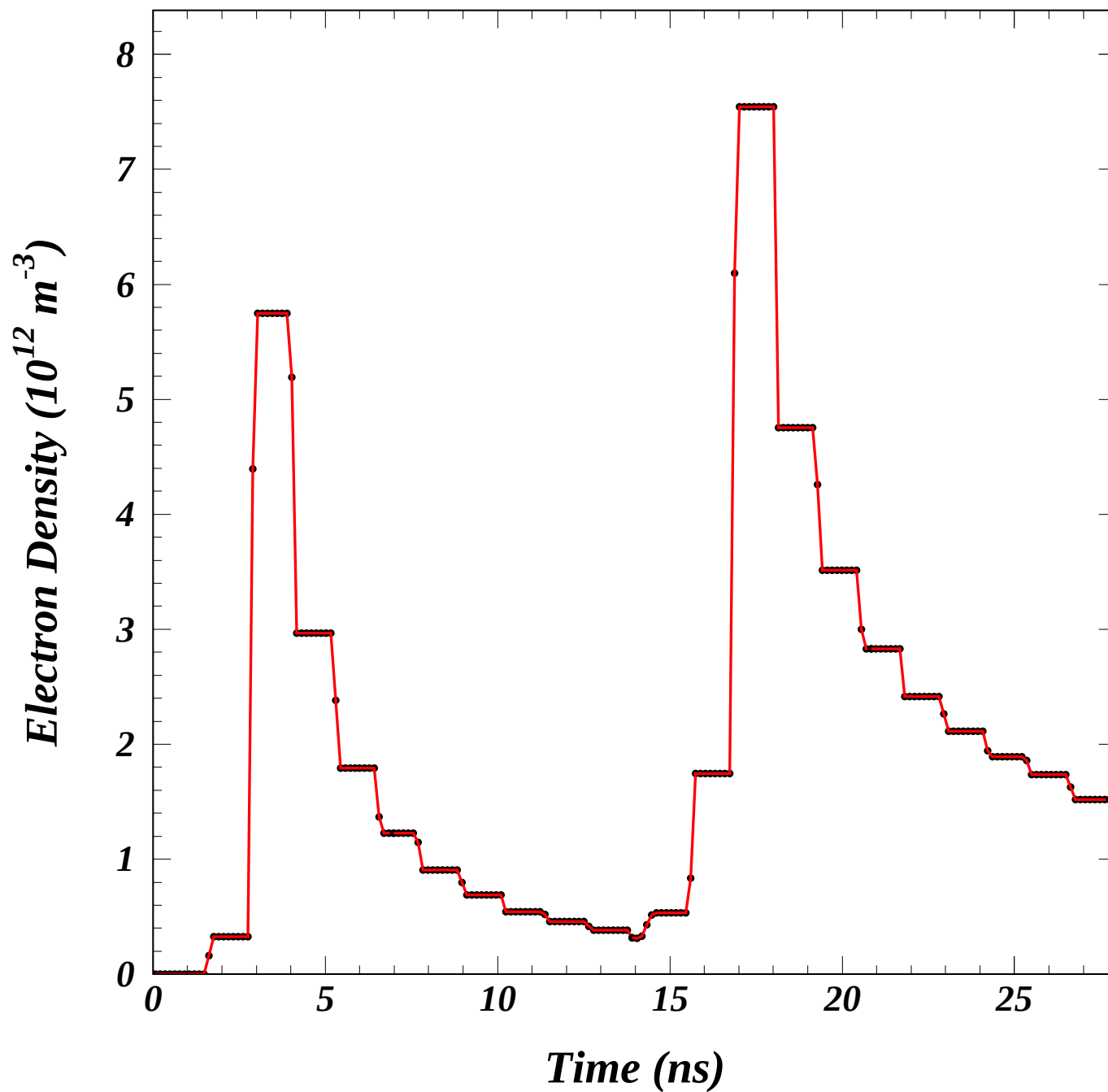
Beampipe-averaged Cloud Density (10^{12} m^{-3}) 10/07/15 17.57



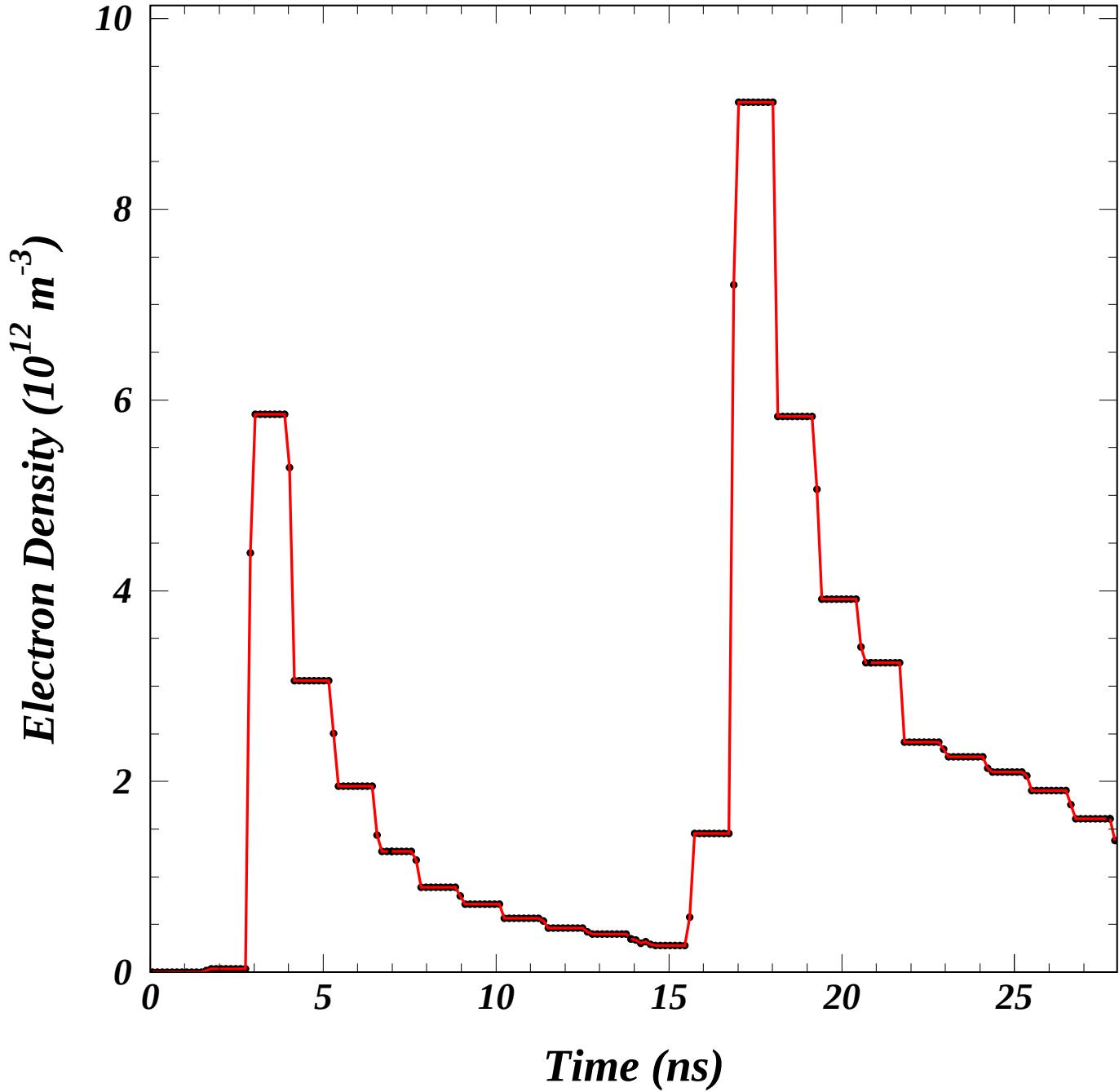
Macroparticle Statistics

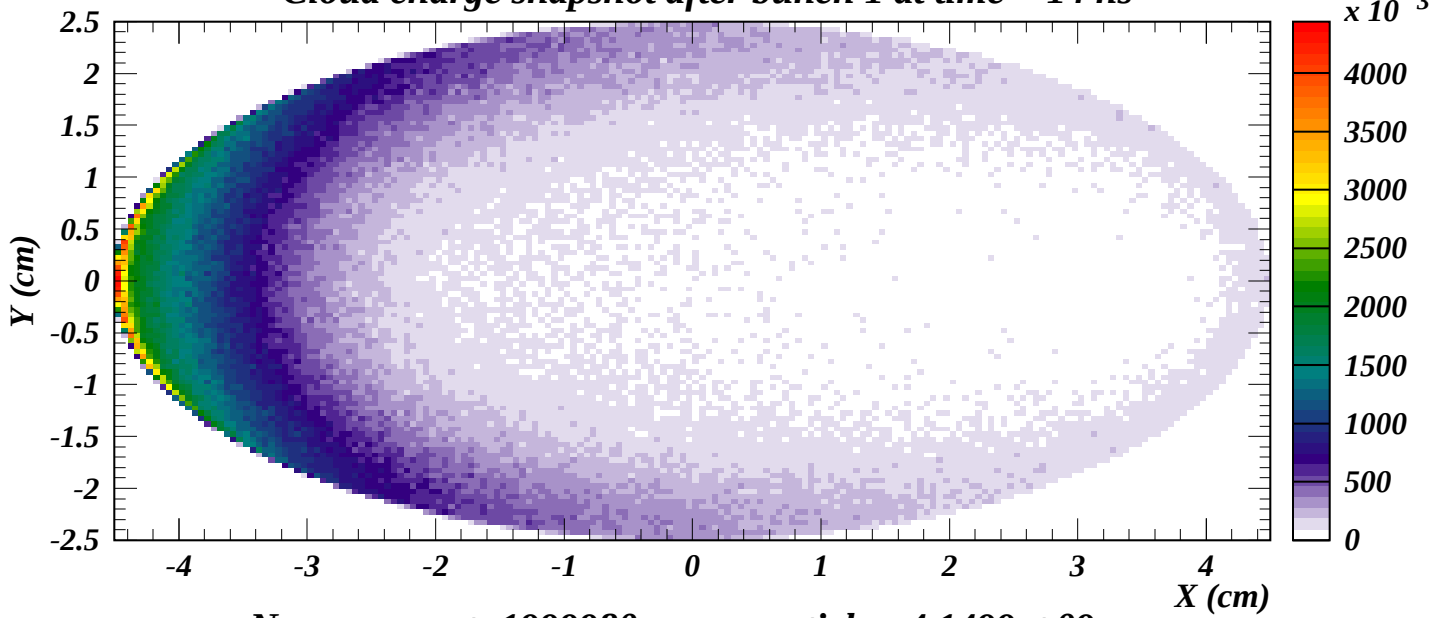
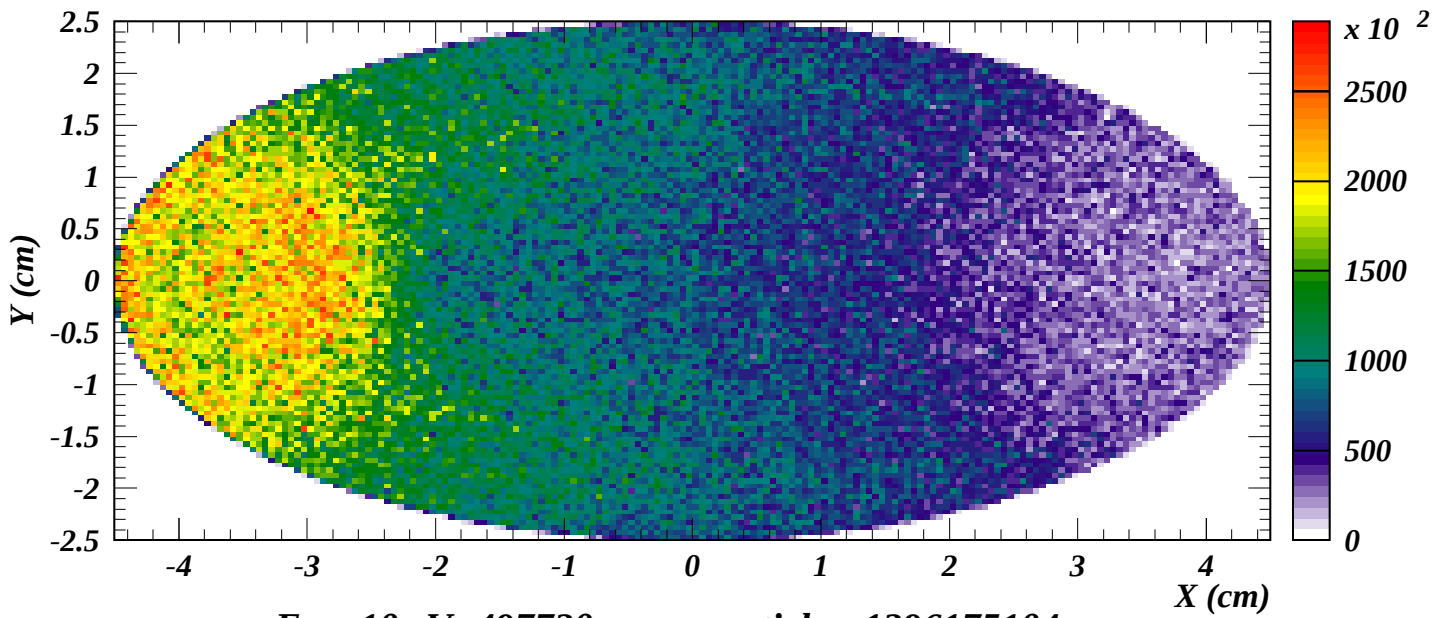


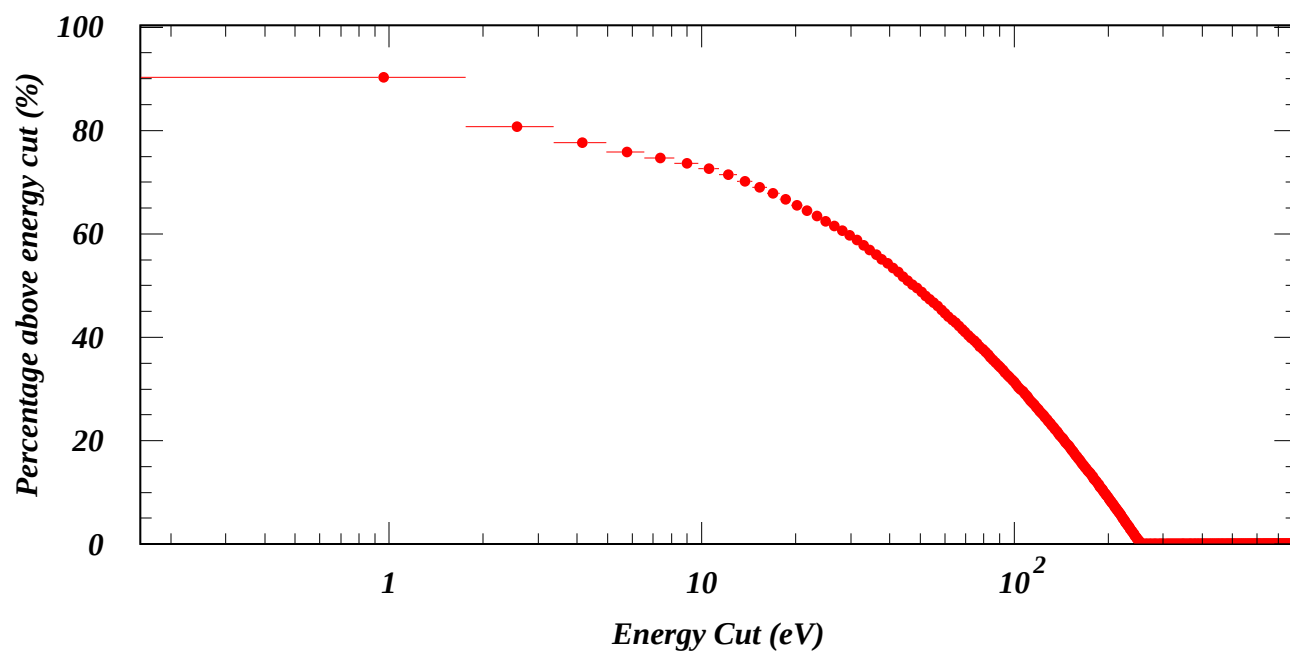
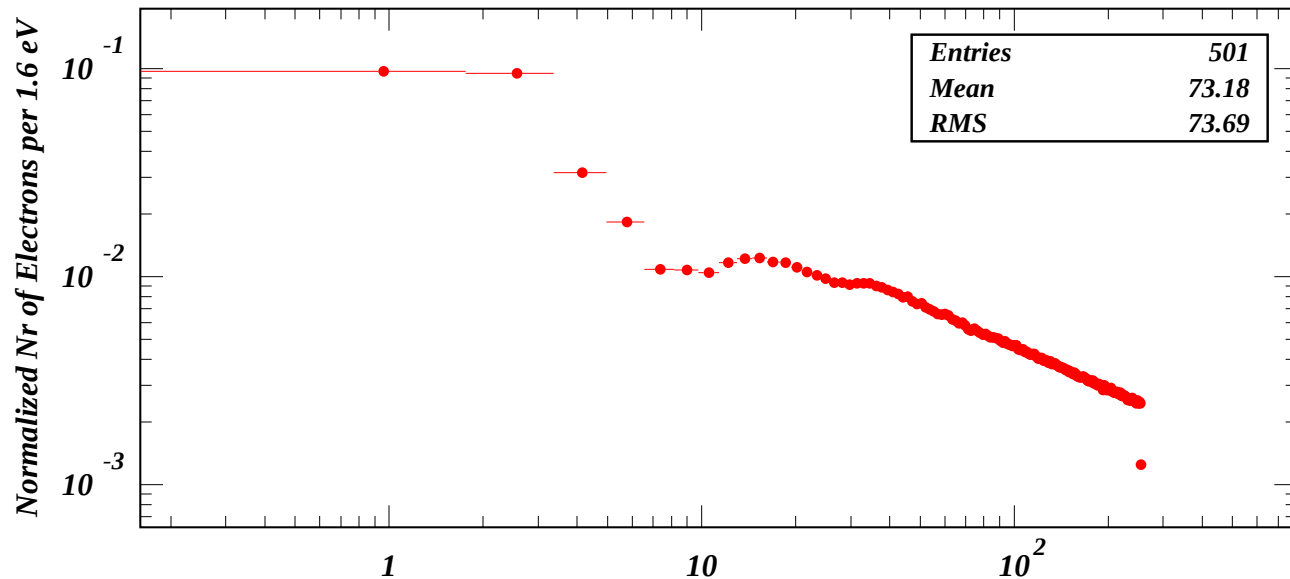
Beam-averaged Cloud Density (10^{12} m^{-3})

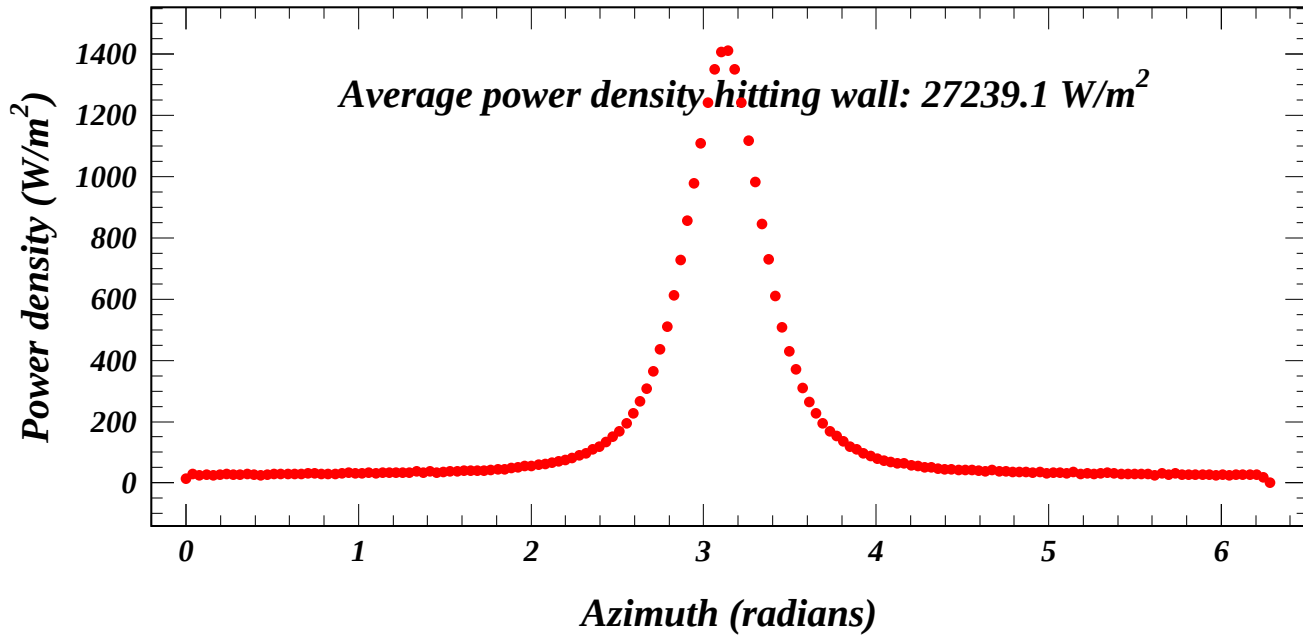
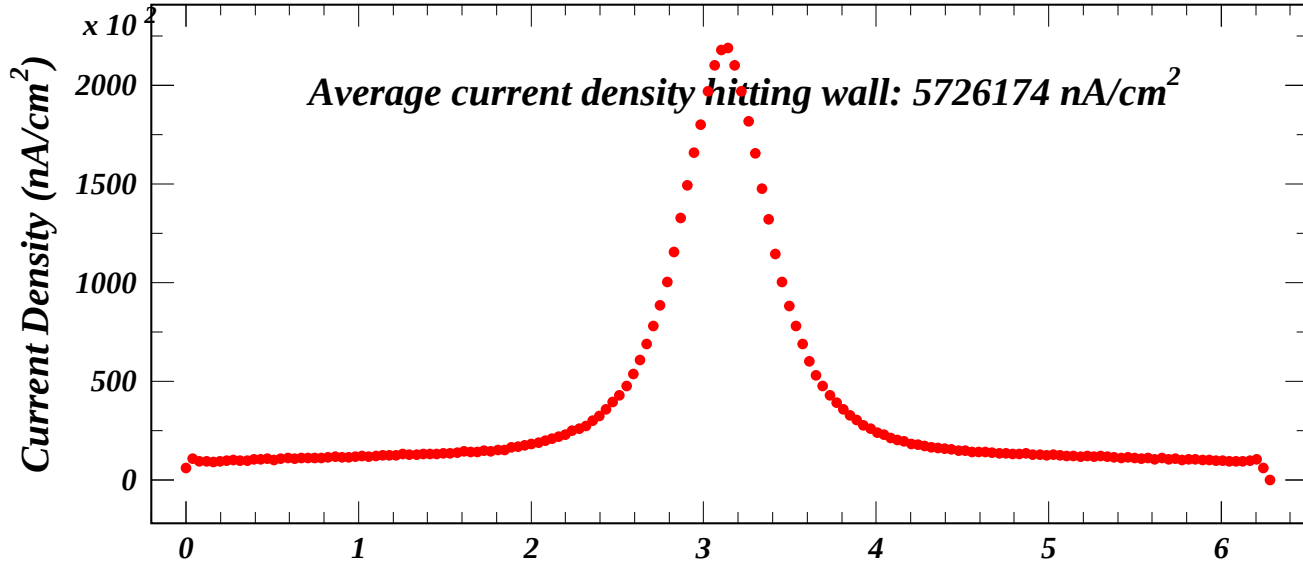
5-Sigma Cloud Density at Center of Pipe (10^{12} m^{-3})

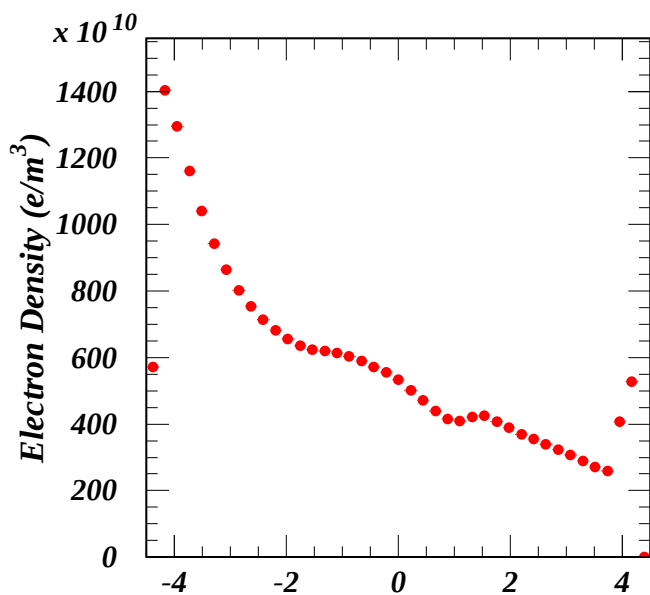
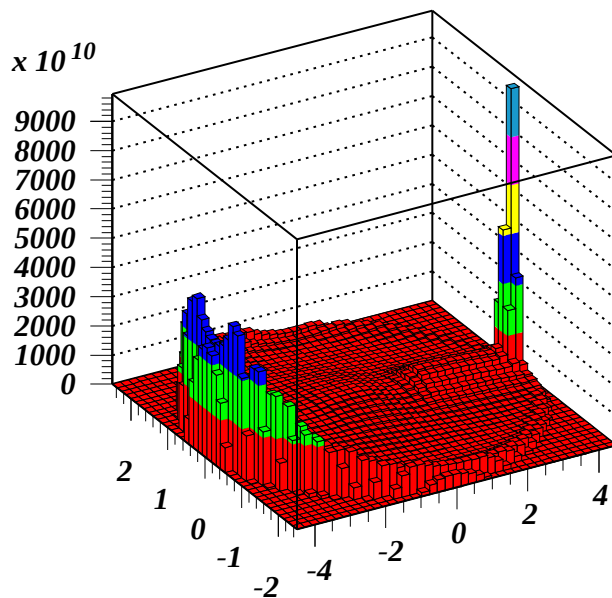
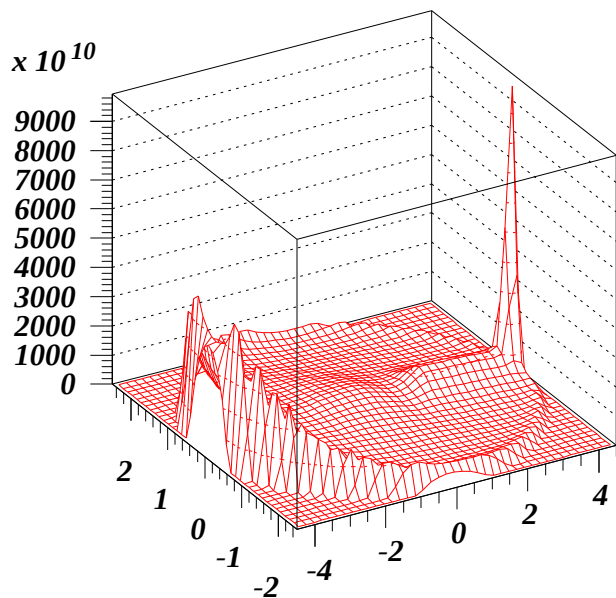
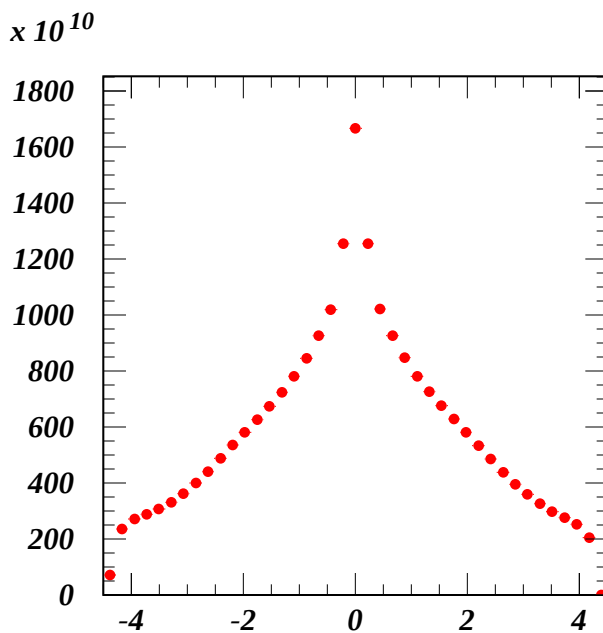
ECLOUD-Positrons_8ma_PEpeak_40_eV: Cloud Density in Central Grid Cell (10^{12} m



Cloud charge snapshot after bunch 1 at time = 14 ns*No energy cut: 1999980 macroparticles, $4.1499\text{e}+09 \text{ e-}$*  *$E_{\text{kin}} > 10 \text{ eV}$: 497720 macroparticles, 1296175104 e-*

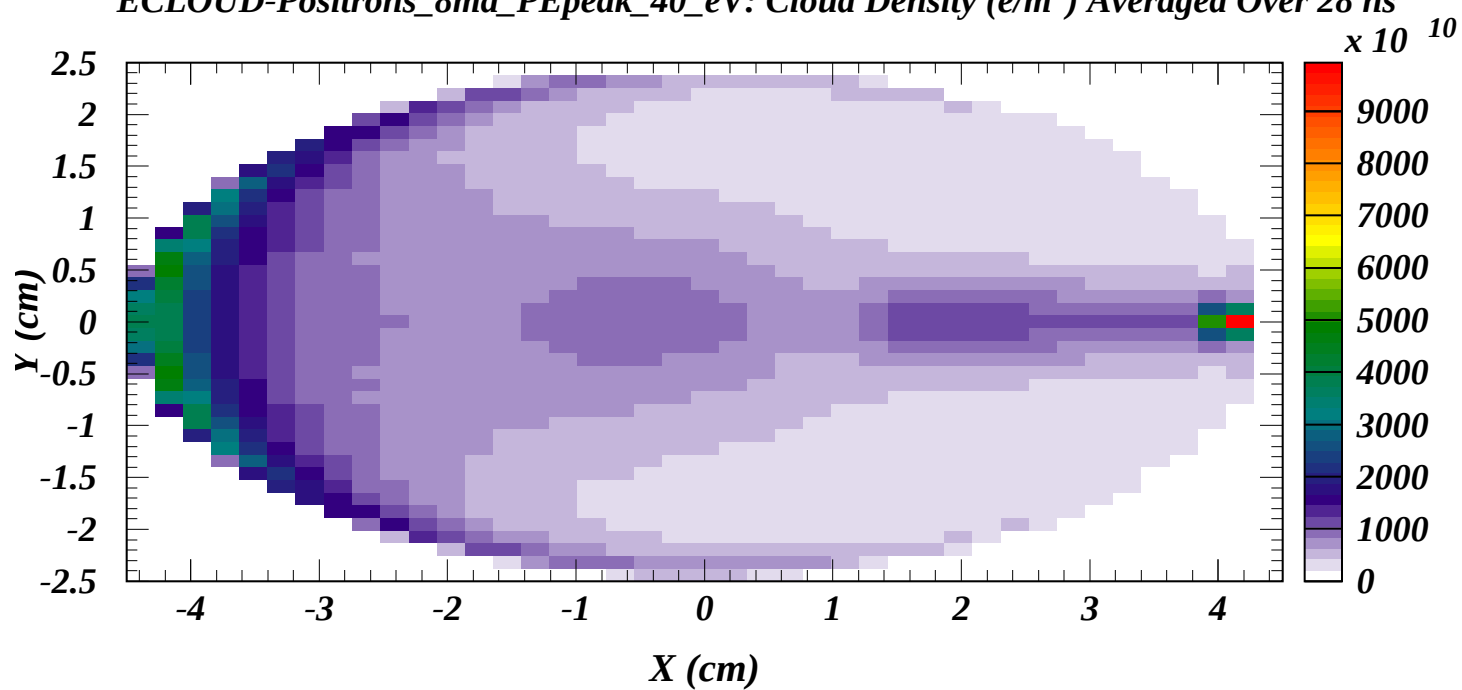
ECLOUD-Positrons_8ma_PEpeak_40_eV: Time-Integrated Energies of Electrons Hitting

ECLOUD-Positrons_8ma_PEpeak_40_eV: Time-Integrated Energies of Electrons Hitting

ECLOUD-Positrons_8ma_PEpeak_40_eV: Cloud Density (e/m^3) Averaged Over 28 ns***Projection on X (cm)******Projection on Y (cm)***

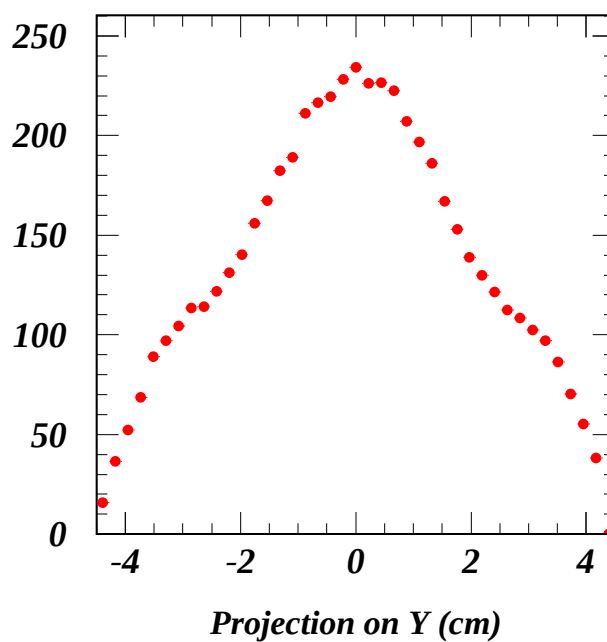
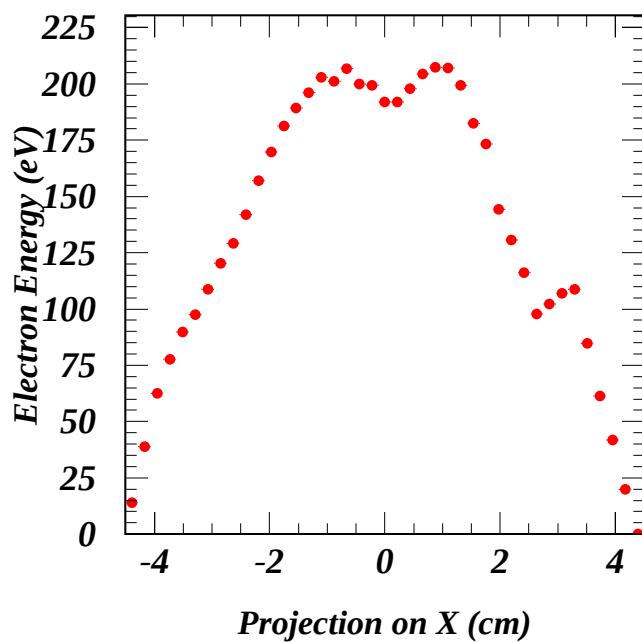
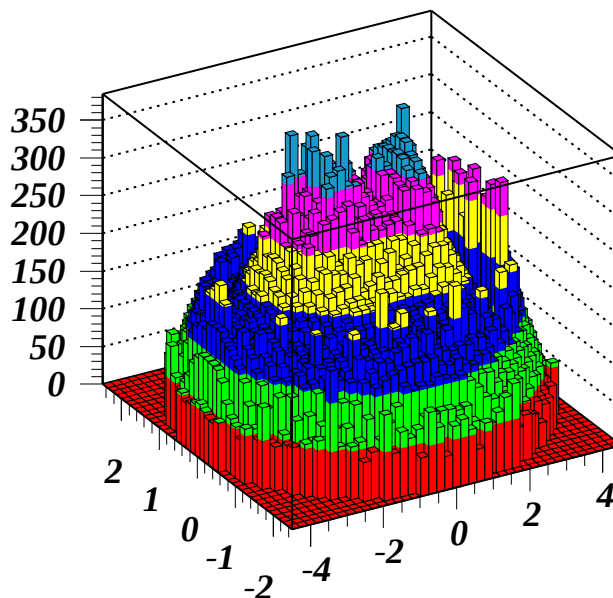
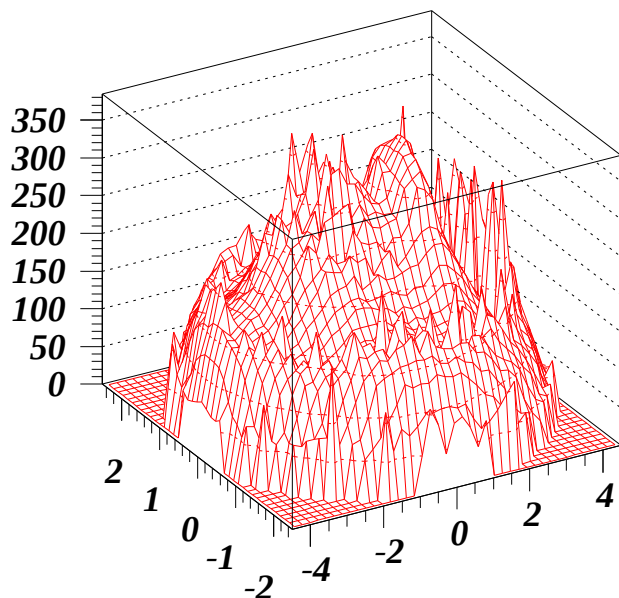
10/07/15 17.57

*E*CLOUD-Positrons_8ma_PEpeak_40_eV: Cloud Density (e/m^3) Averaged Over 28 ns



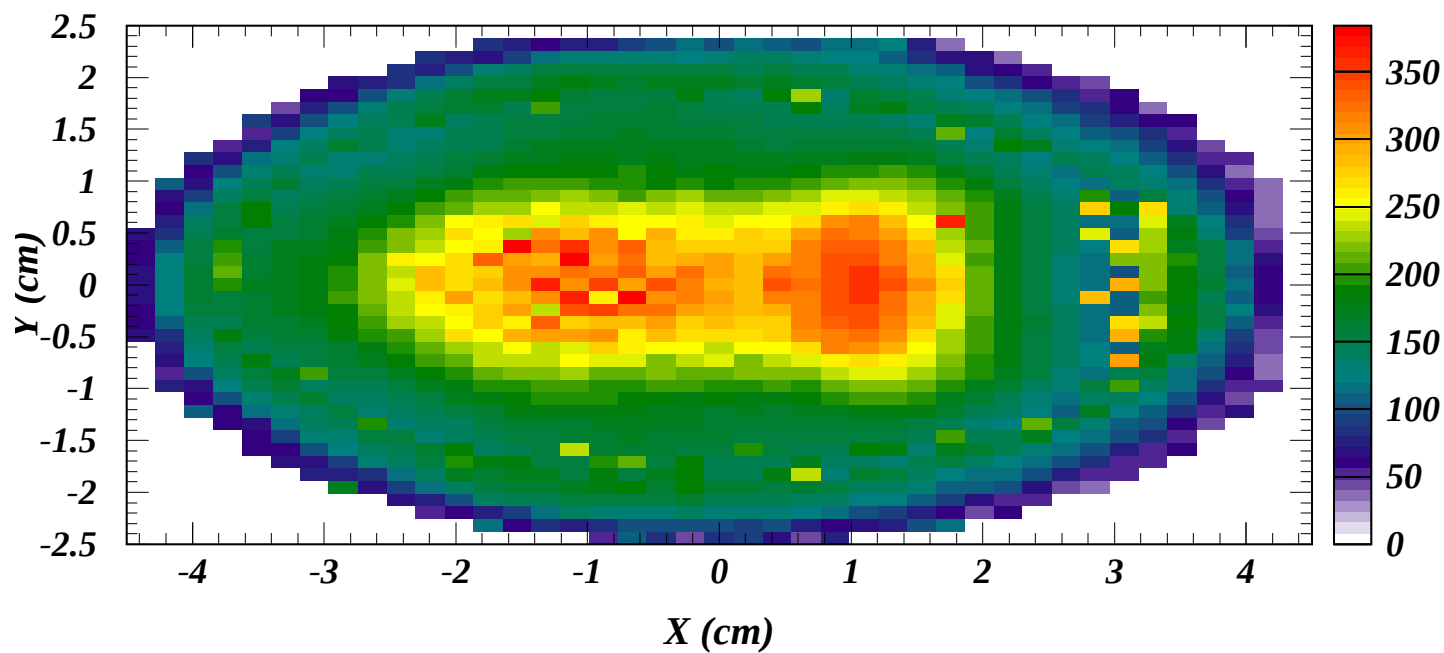
10/07/15 17.57

ECLOUD-Positrons_8ma_PEpeak_40_eV: Electron Energies (eV) Averaged Over 28 ns

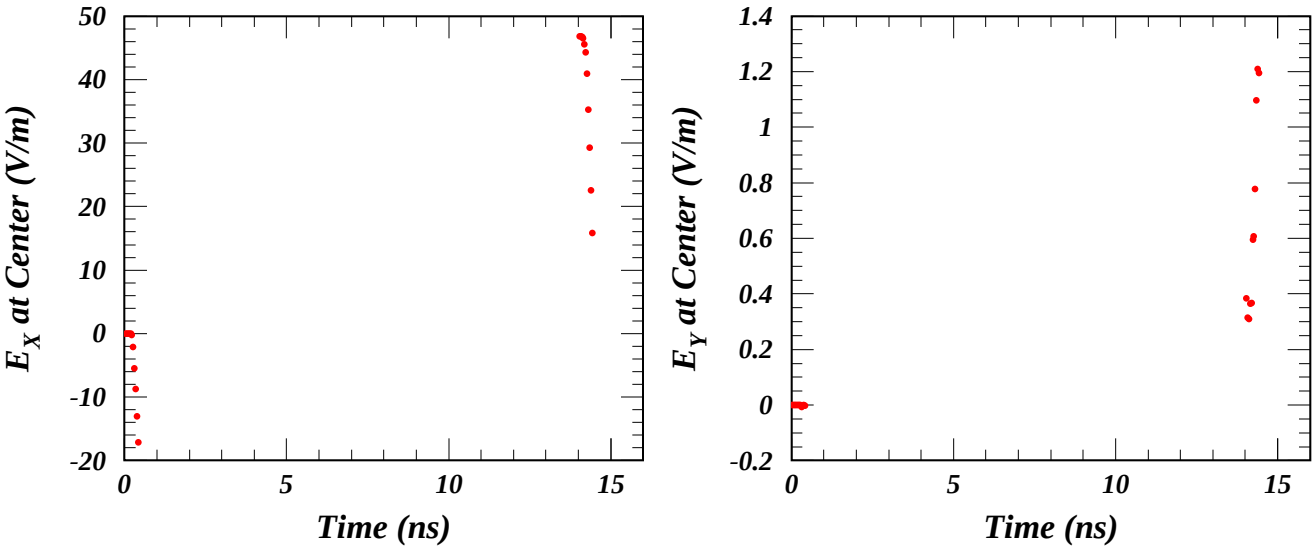


10/07/15 17.57

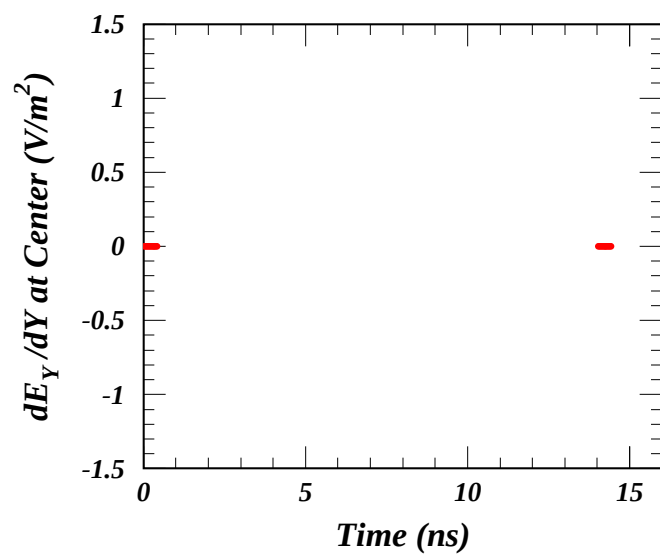
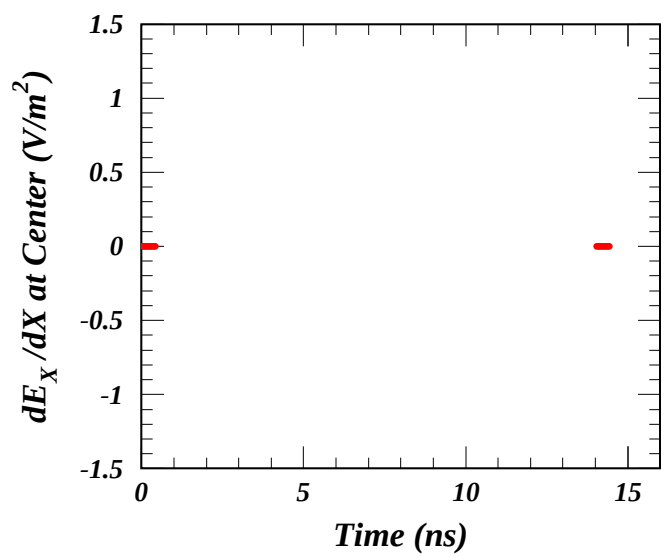
ECLOUD-Positrons_8ma_PEpeak_40_eV: Electron Energies (eV) Averaged Over 28 ns



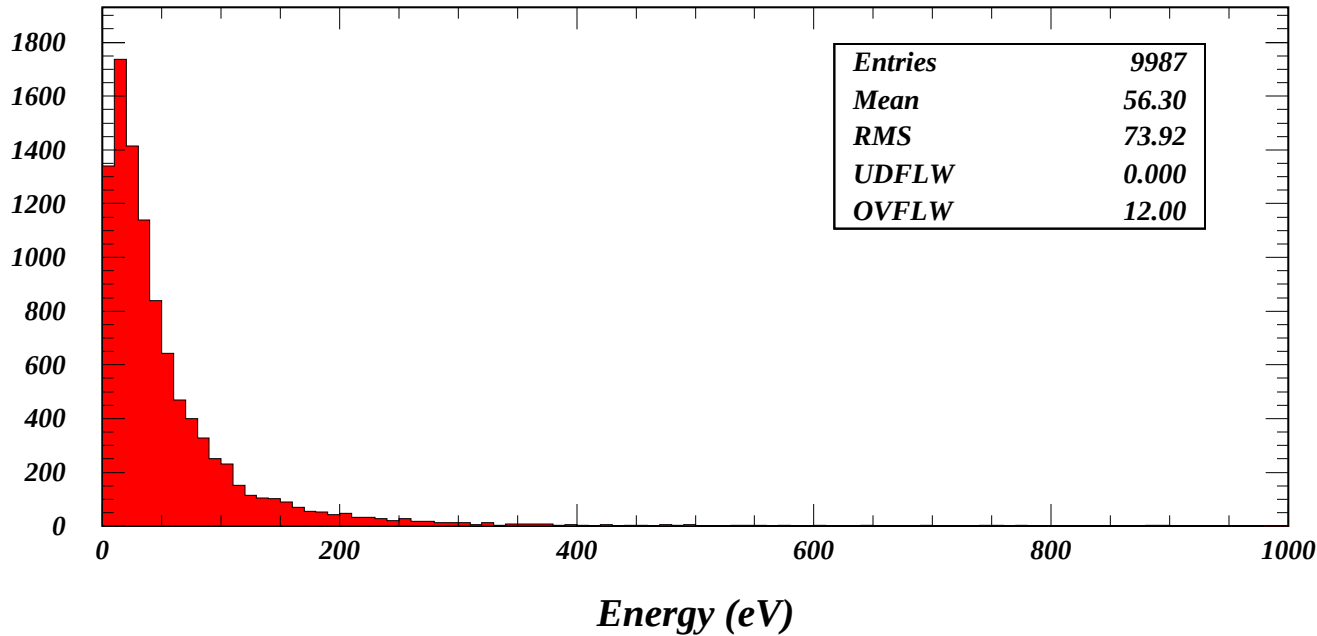
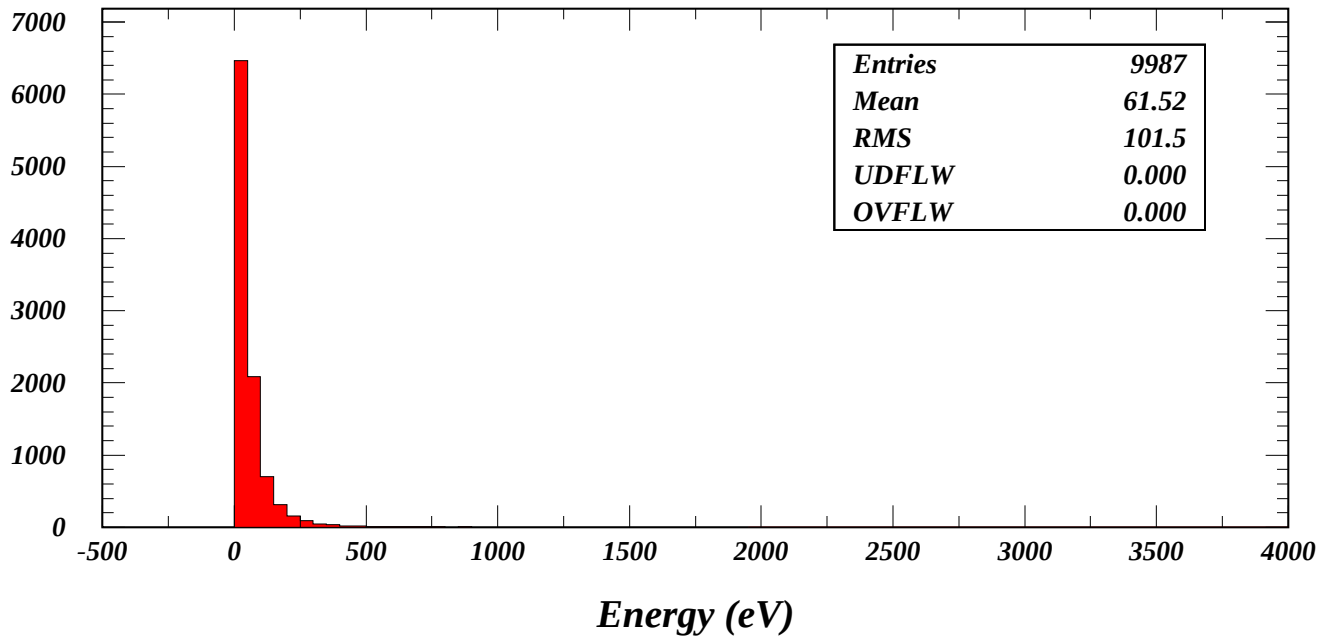
ECLLOUD-Positrons_8ma_PEpeak_40_eV: Electric Field at Beam



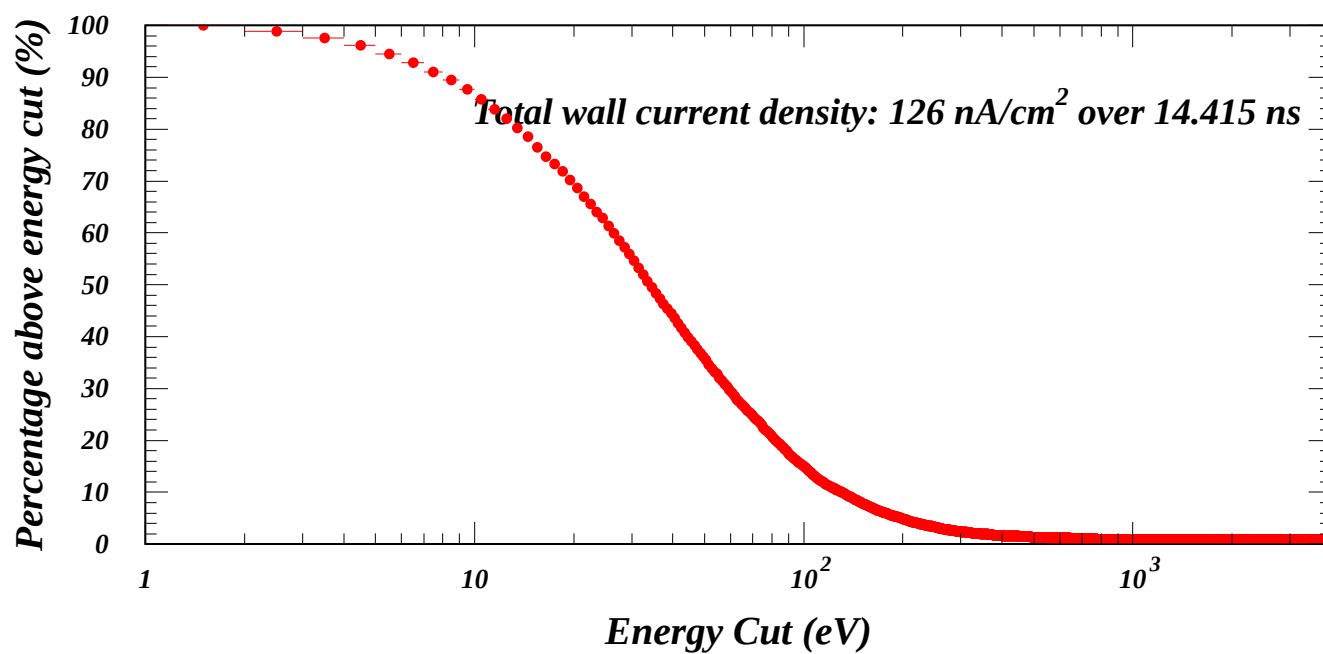
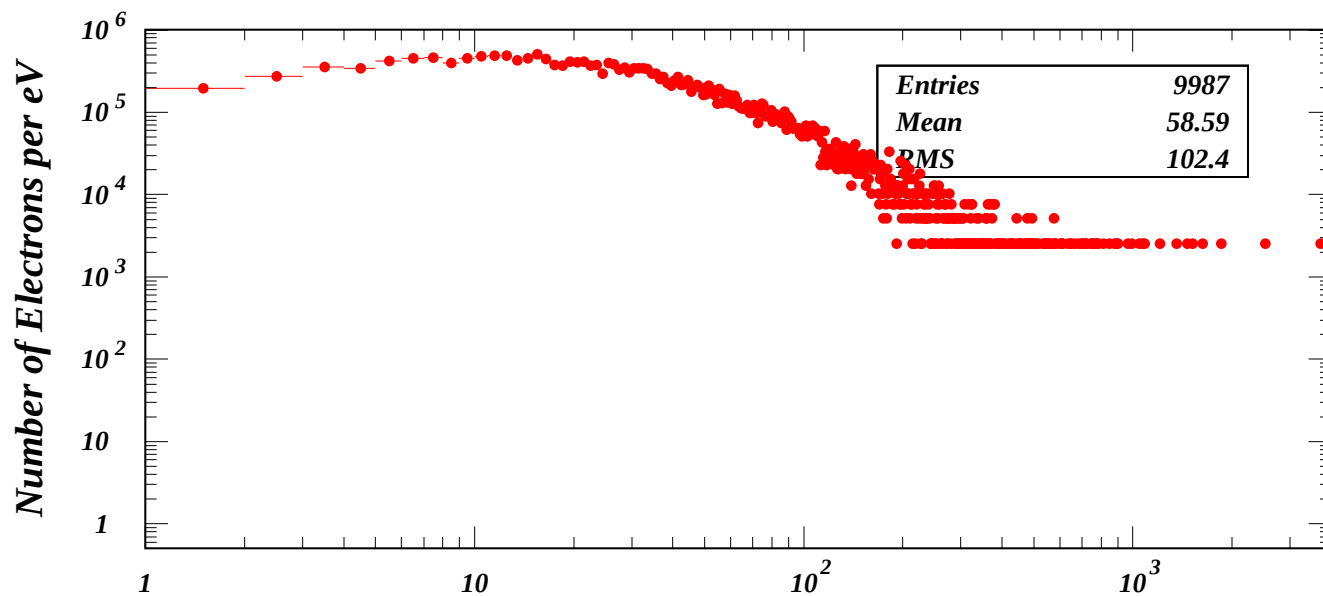
ECLLOUD-Positrons_8ma_PEpeak_40_eV Electric Field Gradients at Beam



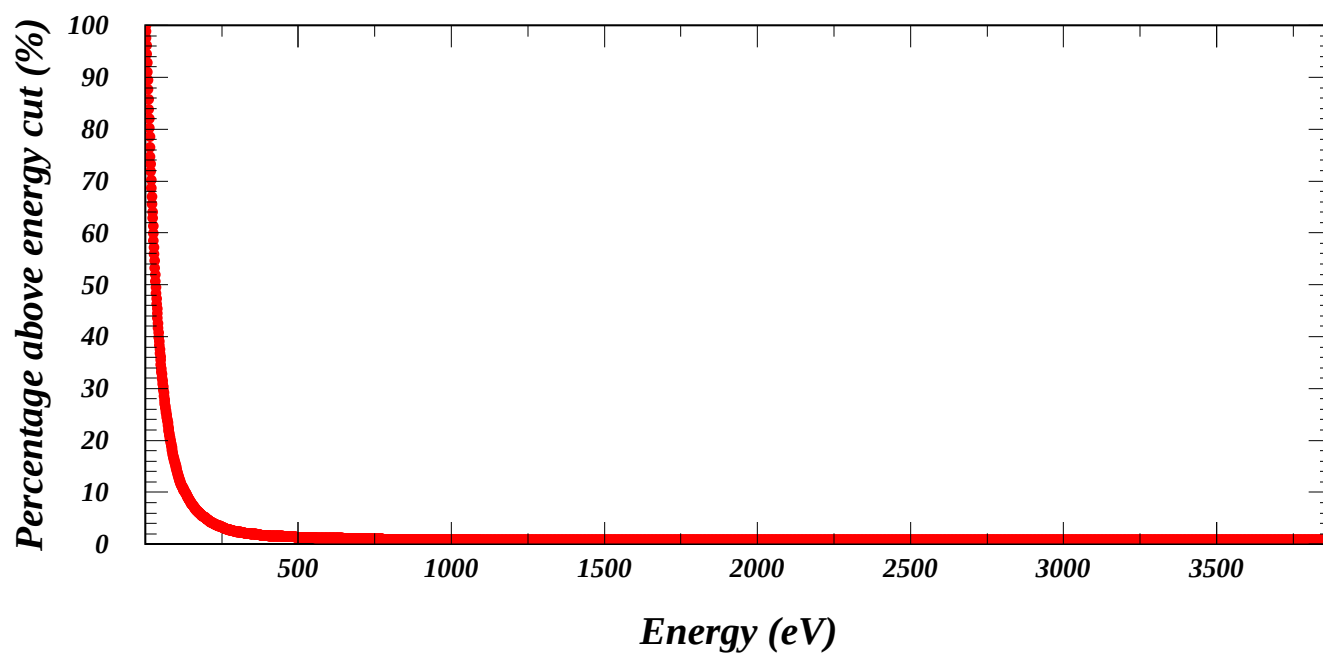
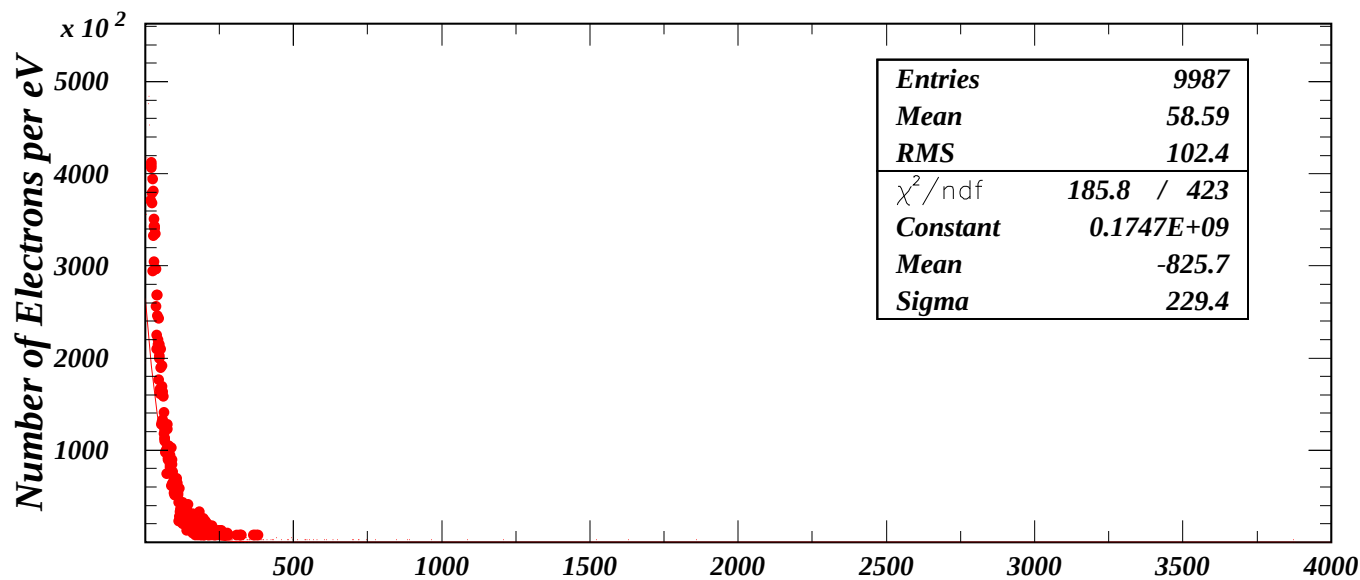
ECLOUD Positrons_8ma_PEpeak_40_eV: Primary Photoelectrons



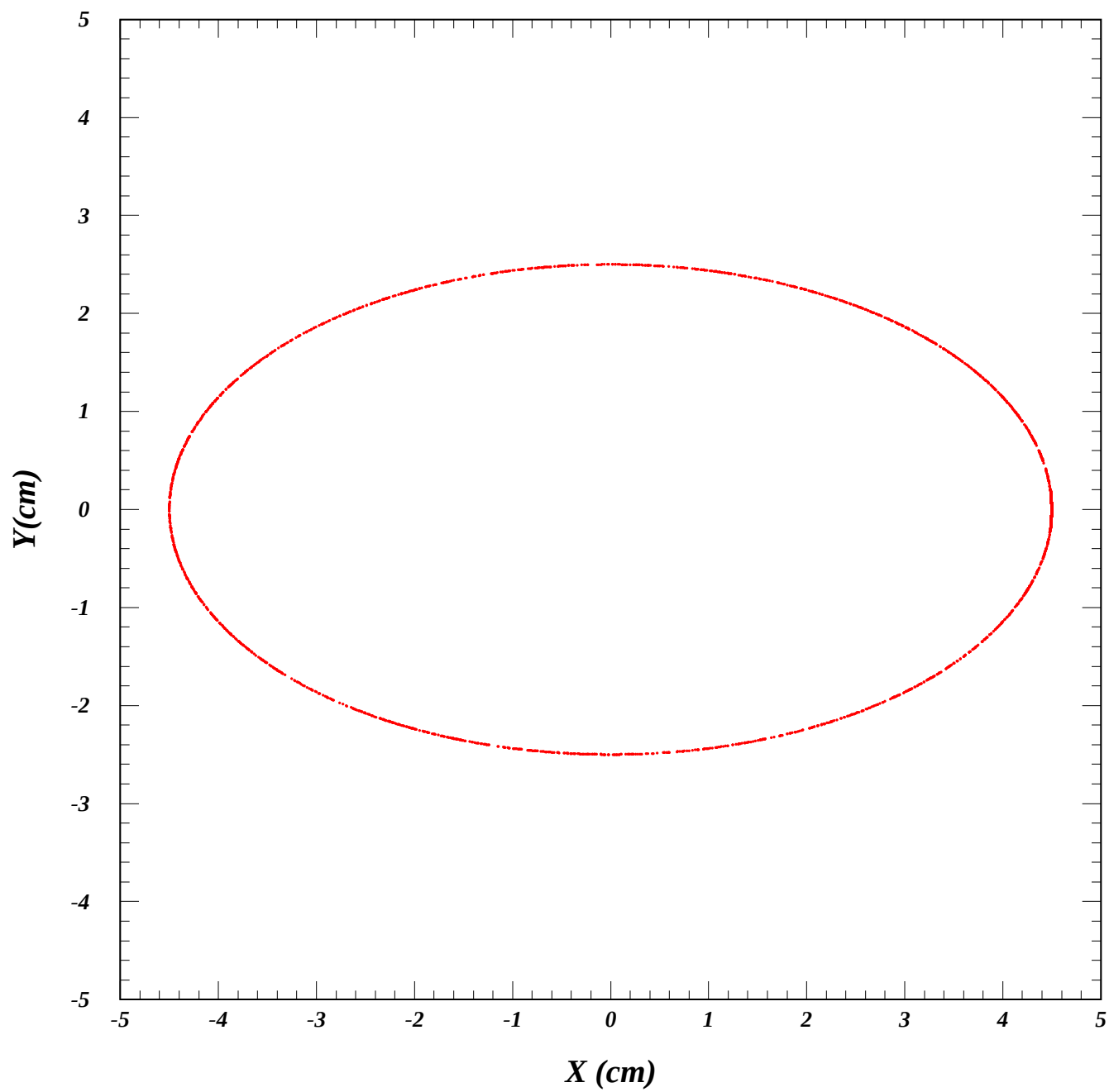
ECLOUD Positrons_8ma_PEpeak_40_eV: Primary Photoelectrons



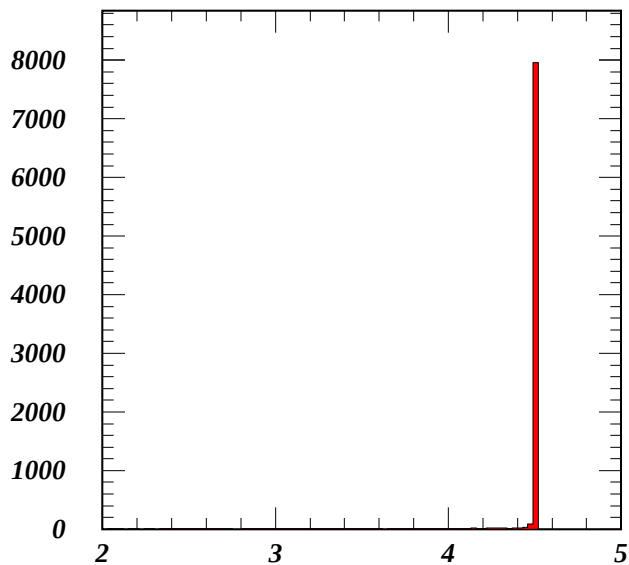
ECLOUD Positrons_8ma_PEpeak_40_eV: Primary Photoelectrons



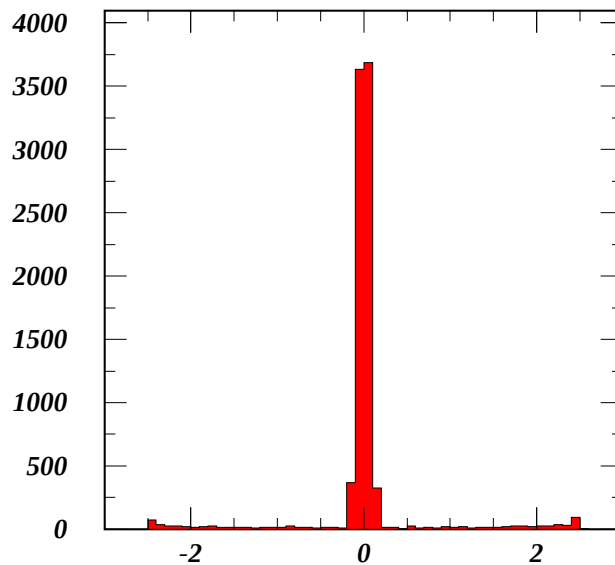
ECLOUD Positrons_8ma_PEmeak_40_eV: Primary Photoelectrons



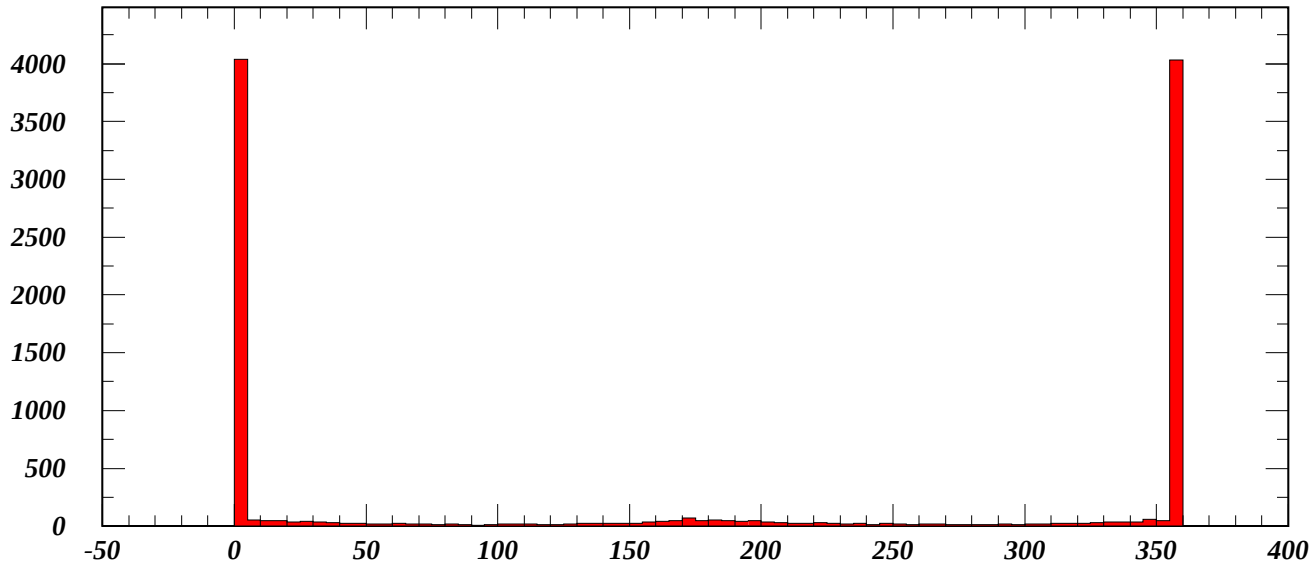
ECLOUD Positrons_8ma_PEpeak_40_eV: Primary Photoelectrons



X (cm)



Y (cm) for X>0



ϕ (degrees)